

19991005.ba v02_n691.bam.991005

>From ???@??? Wed Oct 06 03:56:24 1999
Message-Id: <199910051951.d95JpQ422154@sco.theporch.com>
Date: Tue, 5 Oct 1999 14:50:24 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2691

BOATANCHORS Digest 2691

Topics covered in this issue include:

- 1) Washington DC area event
by hikrbikr@erols.com
- 2) Re: Ozone was Re: Marconi
by "Arden Allen" <gumbear@pacbell.net>
- 3) Re: HP 400D VTVM PAPER?
by Henry van Cleef <vancleef@netcom.com>
- 4) Re: HP 400D
by Hue Miller <kargokult@proaxis.com>
- 5) PRC-6 freq?
by wallace@world.std.com (Andy Wallace)
- 6) Re: Ozone
by "Roberta J. Barmore" <rbarmore@indy.net>
- 7) ARC-5 Receiver ... and Ozone
by Stanley A McIntosh <mcintos@basf-corp.com>
- 8) Re: Ozone
by Mike Sullivan <michaels@kc2kj.k2nesoft.com>
- 9) Info sought: Pioneer Electric and Research Corp model S-8 sidenabd adapter.
by "Bob Duckworth" <wb4mnf@atl.org>
- 10) RE: Damaged surplus, aka CCA editorial
by n6nae@ix.netcom.com (Richard Humphrey)
- 11) RE: Damaged surplus, aka CCA editorial
by "Katz, Gene S" <gene.s.katz@lmco.com>
- 12) RE: Damaged surplus, aka CCA editorial
by "John K9UWA" <k9uwa@cris.com>
- 13) Re: PRC-6 freq?
by mblair1@home.net
- 14) Re: Damaged surplus, aka CCA editorial
by "Arden Allen" <gumbear@pacbell.net>
- 15) ADMINISTRIVIA: Using The Archives
by listown@jackatak.theporch.com (Mail List Owner)
- 16) Fwd: Damaged surplus
by agemi <agemi@alltel.net>
- 17) Re: Fetrons (was HP 400D)
by "Tom R. Rice" <tomrice@netcom.com>
- 18) Re: Fwd: Damaged surplus

by Jim Isbell <mfalcon@pyramid3.net>
19) Re 0Z3
by FRANKK6NL@aol.com

From: hikrbikr@erols.com
Message-ID: <37F92A58.70E5@erols.com>
Date: Mon, 04 Oct 1999 23:29:44 +0100
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Washington DC area event
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

For those in the Washington - Maryland - Northern Virginia area, a member of the Vienna Wireless Society and retired Navy civilian acquisition manager, Ed Kesler, will present a program on the demise of the American amateur equipment manufacturers, Hallicrafters and National Radio Co. at the VWS meeting this Friday at 7:30PM in Vienna, VA, just outside the Capitol Beltway. Ed is familiar with the contracts these companies had with the Navy and will describe the role these contracts played in their downfall.

All amateurs and other BA users and collectors are invited to hear Ed's talk. The meeting is at the Vienna Elementary School on Center Street, just off Maple Avenue, the main street through Vienna (VA Highway 123) at 7:30 PM. Refreshments will be provided. Please contact me directly for directions if you would like to attend. Ed has also promised a written version and I'll make it available to the BA Archives if he has no objection.

73,
Mike Steussy AE4R
hikrbikr@erols.com
tel. (703) 281-0010

Message-Id: <199910050330.UAA16914@mta2.snfc21.pbi.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ozone was Re: Marconi
Date: Mon, 4 Oct 1999 20:30:11 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Bobbi;

> The physical effects Barry mentions are middlin' recent medical work.
> The main reason the stuff is immediately bad for you in high
> concentrations is that the (O3) molecules are too darned *big* for your
> lungs to get at the oxygen (they want O2!). So you suffocate--of course,
> long before then you've already had the other effects occur.

O3 is the most chemically active molecular form of oxygen. That's the reason it is used as a bleach. Ozone is also used as a disinfectant,it kills! A low dosage level over prolonged periods is what we are concerned about. The gradual tissue damage caused by repeated exposures may repair itself over time in a healthy person but those with pulmonary disease may not fair as well. As a token of what we're talking about, all the smokers you see or know are alive and they aren't complaining much. Its the dead ones we don't hear anything from.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199910050353.UAA06424@netcom4.netcom.com>
Subject: Re: HP 400D VTVM PAPER?
To: Old Tube Radios <boatanchors@theporch.com>
Date: Mon, 4 Oct 1999 21:53:54 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As JOHN SEHRING discourses

>
> To: boatanchors@theporch.com
>
> Just acquired an HP 400D "Vacuum Tube Voltmeter".
>
> Range is from 300 to 0.001 V rms. Is this an AC or DC VTVM? Meter says
> "RMS volts", sounds like AC to me, but not sure.

These are AC units. Supposedly good from about 10 CPS to 4 MCS (built before freqs were "hertz." They are not "true RMS" but are much closer to it than the circuit used in the cheap service VTVMs (VoltOhmyst, Eico, Heath, Hickock). Same general design as the Ballantine 300 from the 30's. Amplifier is an operational amplifier setup, with a cathode follower as the input stage.

>
> Price was right, low single digits & clean shape, who could resist?
>

> Input is via pair of bananas. Is an output via same, too.

>

> Anybody got paper on this? Tnx

>

There are several circuit variations used in the 400 series, and even the "right manual" for the version you have may be for one with major differences.

All of the units I have worked with have had power supply problems which show up as "meter off zero" noise, worst on the .001 and 1 volt scales. There is a pot for the tube heaters in the amp which gives a good deal of trouble. Note that those tubes are wired series-parallel, so if you pull one out, you are going to upset the appletart. Check that the voltage is near correct, as low voltage will not draw enough B+ to pull the power supply regulator into action (has a bleeder resistor across it). Check for noise at the regulator (not in the amp). Units with a 6U8 regulator amplifier may need another 6U8. This is a "check tubes by substitution" job---tube tester tests are more-or-less meaningless other than for shorts or open heaters. Note that the rectifier is a 6AX5, not a 6X5. Much higher current, and do not substitute.

Construction is very prone to bad grounds because of rivetted steel on aluminum chassis. The coupling caps (black jobs) and the FP are what everyone tackles first, but they generally are not the problem---power supply noise and grounds come first. Input CF generally the worst problem area for ground and connection noise. I've never seen one that was completely quiet on the .001 and 1 volt scales---HP had a spec for allowable noise.

My own not-so-private opinion is that while these are fairly good meters, you're really up against "HP isn't Ballantine/Tektronix/Measurements/Boonton" with them.

--

=====
Hank van Cleef
=====

Message-Id: <3.0.5.32.19991004215035.007d2a90@proaxis.com>
Date: Mon, 04 Oct 1999 21:50:35 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Hue Miller <kargokult@proaxis.com>
Subject: Re: HP 400D
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Re this instrument, i found where i work a little pamphlet on replacing the tubes in the HP400 with 'Fetrons'. Unfortunately both the instrument and FETRONS are both history at my workplace, analog level measuring is pretty much history also.

I have a friend, a telephone collector, who told me he has "a pile " of these FETRONS, i guess i'll have to pry a few loose and maybe even try them out.
Hue Miller

From: wallace@world.std.com (Andy Wallace)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: PRC-6 freq?
Date: Tue, 05 Oct 1999 11:09:49 GMT
Message-ID: <37fed8d5.45675903@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi, Folks. What's the frequency range of the PRC-6 walkie?

--Andy
wallace@world.std.com

Date: Tue, 5 Oct 1999 07:10:22 -0500 (EST)
From: "Roberta J. Barmore" <rbarmore@indy.net>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ozone
Message-ID: <Pine.SUN.4.10.9910050705180.2743-100000@indy1>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi!

Just a quick "thank you" to Barry for the real facts and a "yikes, everything I thought I knew was wrong!" in re ozone!

...I have not played with a spark transmitter since 1972 or so, which is where all of my up-close experience (and lousy chemical & health misinformation) with ozone comes from.

73,

--Bobbi

KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore
FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA
Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

From: Stanley A Mcintosh <mcintos@basf-corp.com>
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <85256801.00427AB8.00@basf-corp-gw01.basf-corp.com>
Date: Tue, 5 Oct 1999 08:10:10 -0400
Subject: ARC-5 Receiver ... and Ozone
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Just picked up an ARC-5 receiver. This is the 6-9 MHz unit complete with dynamotor. Until I get the BC-348 and linear projects out of the way, this will be an office decoration. This unit even comes with the disposal papers. The inside is neat as a pin, but there are some scrapes on the paint. The front panel connector cover is broken, after having given its life in the process of successfully defending the connector itself. The VFO tuning knob is gone, although there appears to be no damage to the threaded ring or gear that mates with the knob. After that point, however, there will be a question or two to answer. One is where to get connection information for the front and rear connectors... as well as connectors, themselves. Is white lithium grease suitable for the dynamotor bearings? Is this tuning knob the same as the one for the transmitter? I have one of the ARC-5 transmitters as a parts/trash unit in junkbox #4 (or was it 5?); the unit looks as if someone used it for dribbling practice. Someone put masking tape on the rear of the unit about a thousand years ago, and the adhesive is now working too well; the tape is not releasing, at all. Any hints for removal?

Speaking of oxidation, the ozone thread has been very interesting. Don't make the mistake of confusing ozone with oxygen simply because a molecule of ozone consists of three oxygen atoms. Comparing ozone with oxygen would be like inhaling sodium and chlorine simply because the two make up sodium chloride (salt). As mentioned previously, ozone and oxygen are both oxidizing agents, but ozone is far, far more reactive than oxygen. The modes of activity are far different, as well. Ozone readily adds across double-bonds to create unstable ozonide compounds (via a 1,3 dipolar cycloaddition mechanism, for the curious). These then readily break down to provide very active free radicals. As for the breakdown directly from ozone to provide free radicals, this probably goes through a water-mediated process to give oxygen and a hydroxyl radical (OH with an unpaired radical electron). In any event, ozone is very destructive towards biological materials. Saltwater aquarium enthusiasts use ozonizers to hold water bacterial counts down, although I'm sure the word "ozonizer" triggers much the same response as "balun" to a radio newsgroup (effective, ineffective, necessary, etc.). Ozonides are very useful compounds for organic synthesis, as

a means of obtaining aldehydes, carboxylic acids, or simply modified molecular weights.

The topic of free radicals in the body came up in the ozone thread, as well, which triggered the need for a cautionary note. Many of the free-radical scavengers being touted for health reasons work by forming free radicals. You trade a very reactive readical for one that is much less reactive. Thus, the scavengers can lead to a more stable system, whether it be a human body, laquer, car upholstery, whatever ... up to a point. These scavengers can become detrimental above a certain concentration. The less reactive radicals formed from reaction with a nasty radical can also form from other reactions, and the scavengers usually convert to these less reactive radicals much more easily than do the sources of the very reactive radicals. Thus, if you really hit your body with megadoses of a scavenger, then you have a shot at giving your body a megadose of the less reactive scavenger_radical in an effort to combat a millidose of, say, an ozonide degradate radical. If the scavenger_radical is 100 times less reactive than what you are trying to neutralize, but you have 1000 times more scavenger_radical, then you actually have 10 times the danger for radical damage. Sorry if I'm getting confusing, but this is a point that I have seen when studying stabilizers for dyes and polymers, and this could become a relevant point for health. Somewhere I read of a study that seemed to say this, but the author of the article was denigrating the study for its "obvious" flaws. The flaws boiled down to the problem with concluding that a material that is good at one concentration may not be good at all concentrations. So, just because some vitamine A or E may be really good for you, think twice before swallowing the whole bottle.

Sorry for the tangents, and back to the anchors.

73
sam

Message-ID: <37F9F38F.E396B70@kc2kj.k2nesoft.com>
Date: Tue, 05 Oct 1999 08:48:15 -0400
From: Mike Sullivan <michaels@kc2kj.k2nesoft.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Ozone
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The interesting thing about this ozone debate is the shift of medical opinion. I recall articles in POP Electronics (and others) touting ozone makers as a means of feeling better in rooms in the early 1960s. At the last Shelby Hamfest there was one vendor selling ozone machines; I recall that particular smell as I passed by the booth. I too was ignorant of the

medical issues; but I chose not to linger!

Mike

kc2kj

"Roberta J. Barmore" wrote:

> Hi!

>

> Just a quick "thank you" to Barry for the real facts and a "yikes,
> everything I thought I knew was wrong!" in re ozone!

> ...I have not played with a spark transmitter since 1972 or so, which
> is where all of my up-close experience (and lousy chemical & health
> misinformation) with ozone comes from.

>

> 73,

> --Bobbi

>

> KB9GKX "RJ" rbarmore@indy.net Roberta J. (Bobbi) Barmore

> FISTS #3388 * G-QRP #10001 * ARRL * RSGB * WIA

> Appreciator Of Vacuum-Tube Ham Gear and Vintage Keys

Message-Id: <199910051327.JAA10544@hat-trick.atl.org>

From: "Bob Duckworth" <wb4mnf@atl.org>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Info sought: Pioneer Electric and Research Corp model S-8 sidenabd
adapter.

Date: Tue, 5 Oct 1999 09:20:59 +0100

I am looking for info on a Pioneer Electric and Research Corp, Forest Park
Ill.

Model S-8 Sideband adapter.

This is a rack mount unit with 4 8 12 and 16kc that will do USB, USB,
exalted carrier.

A schema would be nice but heck, I'd just be happy to know anything about
it.

-bob

wb4mnf

Atlanta

Date: Tue, 5 Oct 1999 09:43:35 -0500 (CDT)

Message-Id: <199910051443.JAA20055@dfw-ix5.ix.netcom.com>

From: n6nae@ix.netcom.com (Richard Humphrey)

Subject: RE: Damaged surplus, aka CCA editorial

To: Old Tube Radios <boatanchors@theporch.com>

Hey gang: don't know if anybody responded to this. Having email problems here. Can send but not receive. Or maybe Jack said 'nyet'. Anyway. . .

About the crunched Collins gear. This stuff wasn't crunched for security reasons. I had to laugh at the idea that 40 year old tube radio junk which anybody can buy at any flea market might be considered a national security threat. Anyway, you can do much more today with the internet.

No, it was damaged for basic business reasons.

My father worked for the Air Force from the start of WW2 until he gave up in '70. He started as a mechanic, almost got killed in flight test, then moved through inspector to management. Last several years were in logistics, fixing spare parts and getting them to the line. Oh the tales of woe he told.

Most military supply decisions are driven by the budgeting process. Getting more money and manipulating what they have to get even more consumes a great deal of their time. And one big problem that must be overcome is old inventory.

A KWM-2 has a certain dollar value if it is surplused. Smash it and it becomes scrap metal which has a much lower value. This lower value has less negative effect on the budget process in the coming year. In other words, if they can eliminate the high dollar value of the gear on their shelves, they clear the way to budget more gear next year.

If you think I'm just being cynical, I'm not. My dad would come home from work and tell us about periodic lunacies that they had to go through to clear out the shelves for the next budget cycle. As one example, he told me he watched a mountain of Tek scopes, Teletype machines and other radio goodies being run over by a bulldozer so they could be converted to scrap metal at the much lower dollar value. Another time I saw 6 of the rare military model Zenith Transoceanic portables that looked like they'd been shot from a howitzer. I saved the ID tag from one, but that was about all that survived. Someday I might tell the tales about certain nuclear escapades, but agent Mulder might come knocking. The northern lights weren't the only things glowing in the skies over Alaska in the fifties!

Sometimes gear gets sold as-is. Other times it gets scrapped. Just depends upon the budgeting urgency of the moment. What's the current military funding climate in Congress? Not spending much? Better start scrapping. As long as the DoD can convert excess inventory from high

dollar value gear to low dollar value scrap, this will never end. To them, this gear is just another inventory item, a tool to use and periodically replace. No big deal, the taxpayers have deep pockets. Only us radio looneys think this stuff is precious.
Richard

Content-return: allowed
Date: Tue, 05 Oct 1999 11:01:20 -0400
From: "Katz, Gene S" <gene.s.katz@lmco.com>
Subject: RE: Damaged surplus, aka CCA editorial
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <40D23851A09ED211B3430000F8081AD002C74960@emss04m16.ems.lmco.com>
MIME-version: 1.0
Content-type: text/plain
Content-transfer-encoding: 7BIT

Nothing new in the editorial. It has been going on in the Govt since probably the War of 1812 with old flintlocks! A now retired engineer and fellow ham (former RCA Camden) was a radio operator during the Korean War. After the armistice/truce B.S., Army ordered all 390s pulled off the Deuce and a halves and other vehicles they had and the trucks turned over to the ROKs. So far so good. The bad news is that they bulldozed the 390s so they wouldn't fall into foreign hands. Lew begged his first Sgt. to let him rescue one and take it home in a barracks bag. The Sgt. looked the other way, turning a blind eye. But the company CO didn't and made him turn it over for "final disposition". This included the spares chests with a complete tube set, etc. he watched while the y buried the 390s in a pit and ran dozers back and forth, then covered them up. Your tax \$\$\$ at work.
73 de Gene KC6BLD

Message-Id: <199910051528.LAA26967@cliff.concentric.net>
From: "John K9UWA" <k9uwa@cris.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 5 Oct 1999 10:30:30 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: RE: Damaged surplus, aka CCA editorial
CC: n6nae@ix.netcom.com

> A KWM-2 has a certain dollar value if it is surplused. Smash it and
> it becomes scrap metal which has a much lower value. This lower value
> has less negative effect on the budget process in the coming year. In
> Only us radio looneys think this stuff is precious.
> Richard

OK then let the guy Killing the stuff hit it with a 1/4 pound tack hammer....put a small dent in the back corner....and just call it junk scrap metal....total destruction isn't really necessary! And yes I Send complaining letters/e-mails to MY congressmen/senators.....

de John K9UWA one of the "Looneys"

John Goller, K9UWA & Jean Goller, N9PXF
Antique Radio Restorations
k9uwa@cris.com
k9uwa@concentric.net

<http://www.concentric.net/~k9uwa/>

Message-Id: <199910051551.IAA03747@cx689895-a.msnv1.occa.home.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: PRC-6 freq?
Date: Tue, 05 Oct 1999 08:51:01 -0700
From: mblair1@home.net

wallace@world.std.com (Andy Wallace) wrote:

> Hi, Folks. What's the frequency range of the PRC-6 walkie?

47 to 55.4 MC FM, in one crystal-controlled channel. Standard channel separation is 200 KC, yielding a total of 43 available channels. Rated output power is 0.25 W. It has 13 tubes, and an IF of 4.3 MC.

--
Mark J. Blair, KE6MYK <mblair1@home.net>
PGP 2.6.2 public key available from <http://pgp.ai.mit.edu/>
Web page: <http://www.qsl.net/ke6myk/>
DO NOT SEND ANY UNSOLICITED COMMERCIAL EMAIL TO THIS SITE

Message-Id: <199910051551.IAA16693@mail-gw2.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Damaged surplus, aka CCA editorial
Date: Tue, 5 Oct 1999 08:48:43 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Richard;

> Most military supply decisions are driven by the budgeting process.

> Getting more money and manipulating what they have to get even more
> consumes a great deal of their time. And one big problem that must be
> overcome is old inventory.

And that is the rational for the way fraud is perpetrated on the American taxpayer. If you stop to think, it's not innocent "lunacy". That's my opinion of that practice.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-Id: <199910051615.d95GF1u15446@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Using The Archives
Date: Tue, 5 Oct 99 11:15:01 CDT

Gang-

!!!THIS INFORMATION HAS CHANGED!!!!

!!!SAVE THIS FILE FOR FUTURE REFERENCE!!!!!!

This periodic post is designed to help everyone gain more value from their boatanchors subscription.

Often I receive an email request, or I read on the list, of someone who is aware there is an archive available with some special files with special information that is of a more permanent nature than a post to the list, but who is unaware of how to retrieve these gems.

In the archives, there are cross-reference tables for Tubes, Military Equipment Nomenclature, suggestions for restorations and modifications to our beloved fire bottle rigs, and some wonderful stories of real adventures and the people involved.

These files may be accessed by the Web... quickly and easily.
These files can also be accessed by email.

For WWW access:

- go to <http://www.theporch.com>
- select "ListProc Web Interface"
- on your first time there, click "Register For Full Account"
- follow the instructions, and BE SURE you use the email address that you have your BoatAnchors mail addressed to -- this interface will work ONLY for members of the list!

Once registered, you can:

- search the archives of previous posts (so far we haven't loaded

all the previous posts online, but that is in the works;
download the index of files;
retrieve individual files
manage your subscription via the web interface

AWESOME!

For email access:

Step One:

send an email (leave the subject blank, or, if your mailer
requires a subject, type a single character, like "a" in
the subject box) to:

listproc@sco.theporch.com

Step Two:

in the body type:

index boatanchors

NOTE: The index *includes* all the previous articles now available
through the web interface, so the index is HUGE and difficult
to search -- the web interface is much easier.

Step Three:

after checking out the index for files of interest, and finding
the one or more you want to have sent to you, send another
email to:

listproc@sco.theporch.com

and, in the body, type:

get boatanchors file.name

where you substitute the name of the file from the index
for "file.name"

This should get you off to a good start. If you encounter any problems,
please let me know at the address below.

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -

listtown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

Tue Oct 5 11:15:01 CDT 1999

Date: Tue, 5 Oct 1999 13:14:50 -0500

From: agemi <agemi@alltel.net>

Message-ID: <4551.991005@alltel.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Fwd: Damaged surplus

Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

This is a forwarded message
From: agemi <agemi@alltel.net>
To: oldboatanchors@theporch.com <oldboatanchors@theporch.com>
Subject: Damaged surplus

===8<=====Original message text=====

If you want to see a incredible waste of military money, be aboard a Navy ship when she is going through decommissioning. I was aboard a CV that heading for the ship breakers.

I saw tons of electronic equipment(spares and test equipment), leather flight jackets, food , including whole hams, office equipment, furniture etc, etc, etc all dumped overboard, on our return trip off northern California.

They actually made the flight crews (this only applied only to coolies)remove their leather jackets and throw them on a pile that was to be either burned or dumped overboard.

I still remember, after all these years (1951 or so). What made it even worse, was I suffer from a disease called "Tight Pistons"

Roger

Agemi <mailto:agemi@alltel.net>

===8<=====End of original message text=====

Best regards,
Agemi <mailto:agemi@alltel.net>

From: "Tom R. Rice" <tomrice@netcom.com>
Message-Id: <199910051715.KAA18304@netcom12.netcom.com>
Subject: Re: Fetrons (was HP 400D)
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 5 Oct 1999 10:15:38 -0700 (PDT)
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

> Re this instrument, i found where i work a little pamphlet on replacing the
> tubes
> in the HP400 with 'Fetrons'. Unfortunately both the instrument and FETRONS are
> both history at my workplace, analog level measuring is pretty much history
> also.
>

Fetrons were JFET-based devices made by Teledyne Semiconductor back in the Seventies and sold as direct replacements for many tube types. The original idea was to cut power consumption and heat generation in telephone offices, where there were literally thousands of tubes in carrier and repeater bays in every toll office.

As the idea caught on, Teledyne sold Instrument Upgrade kits for both the HP400 and the CA plug-ins for Tektronix 500 series scopes; probably others as well.

If anybody needs such info, I have data sheets on the Fetron versions of the following tube types:

6AK5 or 408A
6AM6
6CB6A
12AT7
12AX7

In the true spirit of "never throw anything away", I kept the data sheets after doing a conversion job for my employer of those days. But if I now encounter a Fetron, I replace it with a tube! How times (and geezers) change!

I'd forgotten, but the data sheets indicate that these doodads were the product of the fecund mind of my old inventor friend, Pat Pending ;-)

73 de WB6BYH

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"Start off every day with a smile and get it over with." --W.C.Fields

Tom R. Rice

tomrice@netcom.com

Message-Id: <3.0.5.32.19991005131943.00b7d8a0@pyramid3.net>

Date: Tue, 05 Oct 1999 13:19:43 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Jim Isbell <mfalcon@pyramid3.net>

Subject: Re: Fwd: Damaged surplus

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Other reasons to destroy otherwise good equipment sometimes are to save the taxpayer money. But they still seem like lunacy.

I was in Alaska in 1958 and we ordered a gross of 12 volt panel indicator bulbs. The part number was correct on the paperwork but some knuckle head didn't read the part number, he just saw 12 volt and "bulbs" and sent 144 sealed beam headlight bulbs. The entire shipment was taken to the beach and broken up so that we wouldn't have to pay to ship them back to the states.

Cheers,

Jim Isbell

From: FRANKK6NL@aol.com

Message-ID: <648b869f.252bb047@aol.com>

Date: Tue, 5 Oct 1999 15:49:27 EDT

Subject: Re 0Z3

To: Old Tube Radios <boatanchors@theporch.com>

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Sure started something with that but regret to say that the tube and application I described was for the 0Y4G. Sorry for that but my memory is not very good these days .

Now, having corrected that I will make some guesses about that 0Z3. It appears to have been the original unshielded version of the 0Z4. Probably what may have happened was that it radiated so much RF hash without the shield that it was impossible to use. Fortuitously about that time metal tubes came into being and Raytheon became a licensee of RCA and was able to utilize metal tube parts to encapsulate the 0Z4 in a metal can and it went on

from there as the universal used rectifier in the auto sets of the late thirties and early fifties. Incidentally I have an old Raytheon data book from about 1935. There is no mention of the 0Z3 but data is given for the BH, BK, BR and the 0Z4 and 0Z4G.

I suspect that the 0Z3 had an envelope and base like the 80. t would help if someone could run down that mysterious 5N basing. 73 to all Frank

End of BOATANCHORS Digest 2691
